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ABSTRACT OF THE DISCLOSURE

A method of managing an OFDM transmission system, for instance a millimetre-wave WLAN, wherein a plurality of sets of samples including at least one set (X_1, X_2, \dots, X_N) of generally non-zero samples is subject to an integral transform transmitted in the integral-transformed format and subject to a complementary integral transform to reconstruct the at least one set of generally non-zero samples. The method includes the step of assigning non-overlapping sets of samples to a plurality of terminals.